

APPLICATION INFO.: WO 1996-US8216 A 19960531
PRIORITY INFO.: US 1995-8/473,183 19950607

=> d his

(FILE 'HOME' ENTERED AT 08:21:20 ON 15 DEC 2005)

FILE 'PCTFULL' ENTERED AT 08:21:30 ON 15 DEC 2005

L1 15203 S MICROSFER?
L2 343 S L1/TI
L3 990 S L1/AB
L4 1026 S L2 OR L3
L5 6164 S POLYANHYDRIDE
L6 2826 S SULINDAC
L7 16 S L6 AND L4
L8 3 S L7 AND L5

=> s 17 and polymer

158886 POLYMER
122941 POLYMERS
189307 POLYMER
(POLYMER OR POLYMERS)

L9 16 L7 AND POLYMER

=> s 17 not py>2002

339965 PY>2002
L10 12 L7 NOT PY>2002

=> s cancer? or tumor? or cancer?

73935 CANCER?
61948 TUMOR?
73935 CANCER?
L11 90719 CANCER? OR TUMOR? OR CANCER?

=> s 111 and 112

L12 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 111 and 110

L12 12 L11 AND L10

=> s polymeric

89217 POLYMERIC
178 POLYMERICS
L13 89307 POLYMERIC
(POLYMERIC OR POLYMERICS)

=> s 113 or 19

L14 89310 L13 OR L9

=> s polymer

158886 POLYMER
122941 POLYMERS
L15 189307 POLYMER
(POLYMER OR POLYMERS)

=> s 115 or 113

L16 208045 L15 OR L13

=> s 116 and 17

L17 16 L16 AND L7

=> s 117 not py>2001

443951 PY>2001

L18 11 L17 NOT PY>2001

=> d ibib 1-5

L18 ANSWER 1 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2001072281 PCTFULL ED 20020822
TITLE (ENGLISH): MICROSPHERES FOR ACTIVE EMBOLIZATION
TITLE (FRENCH): MICROSPHERES PERMETTANT UNE EMBOLISATION ACTIVE
INVENTOR(S): VOGEL, Jean-Marie;
BOSCHETTI, Egisto
PATENT ASSIGNEE(S): BIOSPHERE MEDICAL INC.;
VOGEL, Jean-Marie;
BOSCHETTI, Egisto
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001072281	A2	20011004

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ
SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-US9619 A 20010323

PRIORITY INFO.:

US 2000-60/191,899 20000324

L18 ANSWER 2 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER: 2001072280 PCTFULL ED 20020822

TITLE (ENGLISH): MICROSPHERES FOR GENE THERAPY

TITLE (FRENCH): COMPOSITIONS ET METHODES POUR THERAPIE GENIQUE

INVENTOR(S): VOGEL, Jean-Marie;

BOSCHETTI, Egisto

PATENT ASSIGNEE(S): BIOSPHERE MEDICAL INC.;

VOGEL, Jean-Marie;

BOSCHETTI, Egisto

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001072280	A2	20011004

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ
SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-US9618 A 20010323

PRIORITY INFO.:

US 2000-60/191,902 20000324

L18 ANSWER 3 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER: 2001070291 PCTFULL ED 20020822

TITLE (ENGLISH): INJECTABLE MICROSPHERES FOR DERMAL

AUGMENTATION AND TISSUE BULKING

TITLE (FRENCH): MICROSPHERES INJECTABLES DESTINEES A

L'AUGMENTATION DERMIQUE ET AU GONFLEMENT TISSULAIRE

INVENTOR(S): VOGEL, Jean-Marie;

PATENT ASSIGNEE(S):
DOCUMENT TYPE:
PATENT INFORMATION:

THOMAS, Richard;
BOSCHETTI, Egisto
BIOSPHERE MEDICAL, INC.
Patent

NUMBER	KIND	DATE
WO 2001070291	A2	20010927

DESIGNATED STATES
W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:
PRIORITY INFO.:

WO 2001-US8529 A 20010315
US 2000-09/528,991 20000320

L18 ANSWER 4 OF 11
ACCESSION NUMBER:

PCTFULL COPYRIGHT 2005 Univentio on STN
2001070289 PCTFULL ED 20020822
INJECTABLE AND SWELLABLE MICROSPHERES FOR
TISSUE BULKING

TITLE (FRENCH):

MICROSPHERES INJECTABLES, SUSCEPTIBLES DE
FOISONNEMENT, VISANT A FAIRE GONFLER UN TISSU

INVENTOR(S):

VOGEL, Jean-Marie;

PATENT ASSIGNEE(S):
DOCUMENT TYPE:
PATENT INFORMATION:

BOSCHETTI, Egisto
BIOSPHERE MEDICAL, INC.
Patent

NUMBER	KIND	DATE
WO 2001070289	A2	20010927

DESIGNATED STATES
W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:
PRIORITY INFO.:

WO 2001-US8405 A 20010315
US 2000-09/528,989 20000320

L18 ANSWER 5 OF 11
ACCESSION NUMBER:

PCTFULL COPYRIGHT 2005 Univentio on STN
2000024378 PCTFULL ED 20020515
COMPOSITIONS OF MICROSPHERES FOR WOUND
HEALING

TITLE (FRENCH):

COMPOSITIONS A BASE DE MICROSPHERES DESTINEES
AU TRAITEMENT DES BLESSURES

INVENTOR(S):

RITTER, Vladimir;

PATENT ASSIGNEE(S):

RITTER, Marina
POLYHEAL LTD;
RITTER, Vladimir;
RITTER, Marina

LANGUAGE OF PUBL.:
DOCUMENT TYPE:
PATENT INFORMATION:

English
Patent

NUMBER	KIND	DATE
WO 2000024378	A1	20000504

DESIGNATED STATES
W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM
KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY,DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG
WO 1998-IB1838 A 19981023

APPLICATION INFO.:

=> d ibib 6-10

L18 ANSWER 6 OF 11

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

INVENTOR(S):

PATENT ASSIGNEE(S):

LANGUAGE OF PUBL.:

DOCUMENT TYPE:

PATENT INFORMATION:

PCTFULL COPYRIGHT 2005 Univentio on STN

1998051284 PCTFULL ED 20020514

NOVEL ACOUSTICALLY ACTIVE DRUG DELIVERY SYSTEMS

NOUVEAUX SYSTEMES D'ADMINISTRATION DE MEDICAMENTS

ACTIVES PAR UN PROCEDE ACOUSTIQUE

UNGER, Evan, C.

IMARX PHARMACEUTICAL CORP.

English

Patent

NUMBER KIND DATE

WO 9851284 A1 19981119

DESIGNATED STATES

W:

AU BR CA CN JP KR NZ AT BE CH CY DE DK ES FI FR GB GR

IE IT LU MC NL PT SE

APPLICATION INFO.:

WO 1998-US9569 A 19980512

PRIORITY INFO.:

US 1997-60/046,379 19970513

US 1998-9/075,343 19980511

L18 ANSWER 7 OF 11

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

INVENTOR(S):

PATENT ASSIGNEE(S):

LANGUAGE OF PUBL.:

DOCUMENT TYPE:

PATENT INFORMATION:

PCTFULL COPYRIGHT 2005 Univentio on STN

1996040090 PCTFULL ED 20020514

METHOD FOR REDUCING OR PREVENTING POST-SURGICAL

ADHESION FORMATION USING 5-LIPOXYGENASE INHIBITORS

PROCEDE POUR LA REDUCTION OU LA PREVENTION DE LA

FORMATION D'ADHERENCES POST-CHIRURGICALES A L'AIDE

D'INHIBITEURS DE 5-LIPOXYDASE

RODGERS, Kathleen, Elizabeth;

diZEREGA, Gere, Stodder

UNIVERSITY OF SOUTHERN CALIFORNIA

English

Patent

NUMBER KIND DATE

WO 9640090 A1 19961219

DESIGNATED STATES

W:

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL

PT SE

APPLICATION INFO.:

WO 1996-US8216 A 19960531

PRIORITY INFO.:

US 1995-8/473,183 19950607

L18 ANSWER 8 OF 11

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

INVENTOR(S):

PATENT ASSIGNEE(S):

PCTFULL COPYRIGHT 2005 Univentio on STN

1995015118 PCTFULL ED 20020514

GAS MICROSPHERES FOR TOPICAL AND SUBCUTANEOUS

APPLICATION

MICROSPHERES GAZEUSES POUR APPLICATION

TOPIQUE ET SOUS-CUTANEE

UNGER, Evan, C.;

MATSUNAGA, Terry;

YELLOWHAIR, David

UNGER, Evan, C.;

MATSUNAGA, Terry;

YELLOWHAIR, David

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9515118	A1	19950608

DESIGNATED STATES

W: AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.: WO 1994-US13817 A 19941130
PRIORITY INFO.: US 1993-8/159,674 19931130

US 1993-8/159,687 19931130
US 1993-8/160,232 19931130
US 1994-8/307,305 19940916
US 1994-8/346,426 19941129

L18 ANSWER 9 OF 11

PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER: 1994028874 PCTFULL ED 20020513

TITLE (ENGLISH): NOVEL THERAPEUTIC DELIVERY SYSTEMS

TITLE (FRENCH): NOUVEAU SYSTEME D'ADMINISTRATION DE PRODUITS
THERAPEUTIQUES

INVENTOR(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

PATENT ASSIGNEE(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

LANGUAGE OF PUBL.: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9428874	A1	19941222

DESIGNATED STATES

W: AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.: WO 1994-US5633 A 19940519

PRIORITY INFO.: US 1993-8/076,250 19930611

US 1993-8/159,674 19931130
US 1993-8/159,687 19931130
US 1993-8/160,232 19931130

L18 ANSWER 10 OF 11

PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER: 1994028873 PCTFULL ED 20020513

TITLE (ENGLISH): NOVEL THERAPEUTIC DRUG DELIVERY SYSTEMS

TITLE (FRENCH): NOUVEAUX SYSTEMES D'ADMINISTRATION DE MEDICAMENTS

INVENTOR(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

PATENT ASSIGNEE(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

LANGUAGE OF PUBL.: English

DOCUMENT TYPE:
PATENT INFORMATION:

Patent

NUMBER	KIND	DATE
WO 9428873	A1	19941222

DESIGNATED STATES

W: AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.:

WO 1994-US5620 A 19940512

PRIORITY INFO.:

US 1993-8/076,250 19930611

=> d kwic 10

L18 ANSWER 10 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN

ABEN Therapeutic drug delivery systems comprising gas-filled microspheres comprising a therapeutic are described. Methods for employing such microspheres in therapeutic drug delivery applications are also provided. Drug delivery systems comprising gas-filled liposomes having encapsulated therein a drug are.

ABFR Systemes d'administration de medicaments au moyen de microspheres remplies d'un gaz a effet therapeutique, et methodes d'utilisation associees. Sont preconises des systemes d'administration a base de liposomes remplis.

DETD deliver genetic material to 5 living cells. These mechanisms include techniques such as calcium phosphate precipitation and electroporation, and carriers such as cationic polymers and aqueous-filled liposomes. These methods have all been relatively ineffective in vivo and only of limited use for cell culture transfection. None of.

such as ganglioside GM1 and GM2; glucolipids; sulfatides; glycosphingolipids;
- 14 - phosphatidic acid; palmitic acid; stearic acid; arachidonic acid; oleic acid; lipids bearing polymers such as polyethyleneglycol, chitin, hyaluronic acid or polyvinylpyrrolidone; lipids bearing sulfonated mono-, di-, 5 oligo- or polysaccharides; cholesterol, cholesterol sulfate and cholesterol hemisuccinate; tocopherol.

microsphere. Preferably, this non-cationic lipid is dipalmitoylphosphatidylcholine,
- 15 -

dipalmitoylphosphatidylethanolamine or dioleoylphosphatidyl-ethanolamine. In lieu of cationic lipids as described above, lipids bearing cationic polymers such as polylysine or polyarginine may also be used to construct the microspheres 5 and afford binding of a negatively charged therapeutic.

to carbohydrates and their phosphorylated and sulfonated derivatives; polyethers, preferably with molecular weight ranges between 400 and 8000; di- and trihydroxy alkanes and their polymers, preferably with molecular weight ranges between 800 and 8000. Emulsifying and/or solubilizing agents may also be used in conjunction with lipids or.

methicillin, nafcillin, oxacillin, penicillin G, penicillin V, ticarcillin rifampin and tetracycline; antiinflammatories

such as diflunisal, ibuprofen, indomethacin, meclofenamate, mefenamic acid, naproxen, oxyphenbutazone, phenylbutazone, piroxicam, sulindac, tolmetin, aspirin and salicylates; 20 antiprotozoans such as chloroquine, hydroxychloroquine, metronidazole, quinine and meglumine antimonate; antirheumatics such as penicillamine; narcotics such as paregoric; opiates.

DNA and analogs thereof, such as 20 phosphorothioate and phosphorodithioate oligodeoxynucleotides. Additionally, the genetic material may be combined, for example, with proteins or other polymers.

form the microspheres include, for example, proteins such as albumin, synthetic peptides such as polyglutamic acid, and linear and branched oligomers and polymers of

- 25 -

galactose, glucose and other hexosaccharides and polymers derived from phosphorylated and sulfonated pentose and hexose sugars and sugar alcohols. Carbohydrate polymers such as alginic acid, dextran, starch and HETA starch may also be used. Other natural polymers, such as hyaluronic acid, may be utilized. Synthetic polymers such as polyethyleneglycol, polyvinylpyrrolidone, polylactide, polyethyleneimines (linear and branched), polyionenes or polyiminocarboxylates may also be employed.

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L7 16 S L6 AND L4
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L9 16 S L7 AND POLYMER
L10 12 S L7 NOT PY>2002
L11 90719 S CANCER? OR TUMOR? OR CANCER?
L12 12 S L11 AND L10
L13 89307 S POLYMERIC
L14 89310 S L13 OR L9
L15 189307 S POLYMER
L16 208045 S L15. OR L13
L17 16 S L16 AND L7
L18 11 S L17 NOT PY>2001

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---Logging off of STN---

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